

Claim Amendments:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Canceled)
2. (Currently Amended) The article of claim [[1] 41, wherein the ceramic article comprises a component of a semiconductor processing apparatus.
3. (Original) The article of claim 2, wherein the component is a chamber wall.
4. (Original) The article of claim 3, wherein the component is a chamber lid.
5. (Original) The article of claim 3, wherein the component is a chamber sidewall.
6. (Canceled)
7. (Currently Amended) The article of claim [[1] 41, wherein the corrosion resistant layer has an adhesion strength of not less than 25 MPa.
8. (Currently Amended) The article of claim [[1] 41, wherein the corrosion resistant layer has an adhesion strength of not less than 30 MPa.
9. (Currently Amended) The article of claim [[1] 41, wherein the corrosion resistant layer is deposited on the ceramic base material by thermal spraying.
10. (Currently Amended) The article of claim [[1] 41, wherein the ~~corrosion-resistant layer consists essentially of rare earth oxide is yttria.~~
11. (Currently Amended) The article of claim [[1] 41, wherein the corrosion resistant coating has an average grain size not greater than about 0.5 microns.

12. (Currently Amended) The article of claim [[1]]41, wherein the substrate consists essentially of α -alumina.

13. (Canceled)

14. (Currently Amended) The article of claim [[13]]11, wherein the average grain size is not greater than about 0.3 microns.

Claims 15-40 (Canceled)

41. (Currently Amended) A ceramic article, comprising:
a substrate consisting essentially of alumina; and
a corrosion-resistant coating provided on the substrate and comprising at least 80 wt.% of a rare earth oxide, the corrosion-resistant coating directly contacting the substrate such that the ceramic article is free of intervening layers, including thermally reacted interlayers, between the substrate and the corrosion-resistant coating, the corrosion-resistant coating having an adhesion strength not less than about 20 MPa.

42. (Previously Presented) The ceramic article of claim 41, wherein the corrosion-resistant coating comprises at least 90 wt.% of the rare earth oxide.

43. (Previously Presented) The ceramic article of claim 42, wherein the corrosion-resistant coating comprises at least 95 wt.% of the rare earth oxide.